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RCA MR27555 USER MANUAL

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RCA

USER'S GUIDE

It is important to read this manual before using this product for the first time.

TOCOM 1542505D

Models: MR27555, MR29315, MR32555 & MR32575

IMPORTANT INFORMATION

WARNING

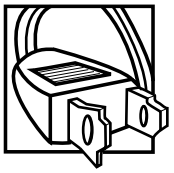
To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

WARNING
RISK OF ELECTRIC SHOCK DO NOT OPEN

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.



Caution: To reduce the risk of electric shock, match wide blade of plug to wide slot, fully insert.

POWER CONSUMPTION: 120V ~ 60 Hz A.C.
125 Watts (Models MR27555 & MR29315)
140 Watts (Models MR32555 & MR32575)

If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the screen. Such images include network logos, phone numbers, and video games. Extended viewing of channels displaying these images should be avoided.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

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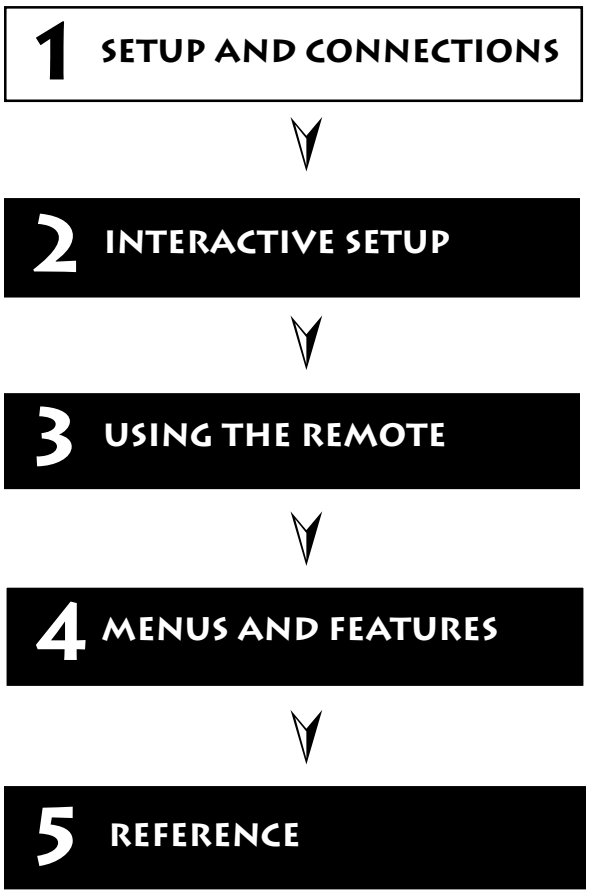
SETUP AND CONNECTIONS

GETTING STARTED

This manual is designed to get you started quickly. The first four sections of the manual show you how to get your TV Setup and Connected, run the Interactive Setup, Program the Remote, and use all of the menus, features, and controls of your TV.

The Reference section in the back of the book contains troubleshooting tips, as well as care and cleaning instructions.

Well… if your TV's out of the box, let's get started.



Check out the notes that have been added throughout the manual in these Tip Boxes. There are some important tips that will help you get the most from your TV.

SETUP AND CONNECTIONS

STEP 1: UNPACK THE TV

Make sure to locate the remote control.

STEP 2: CONNECT YOUR TV

There are three types of connections outlined in this section:

TV Only: If you're only going to connect the TV to your home antenna or cable system.

The Basic Connection: If you're going to connect the TV to a VCR or satellite receiver.

Advanced Connections: If you're going to make multiple connections, hooking up the TV to a VCR and a satellite receiver.

Cable information and illustrations are given for each type of connection. Once you have completed your desired connection you may skip forward to Step 3.

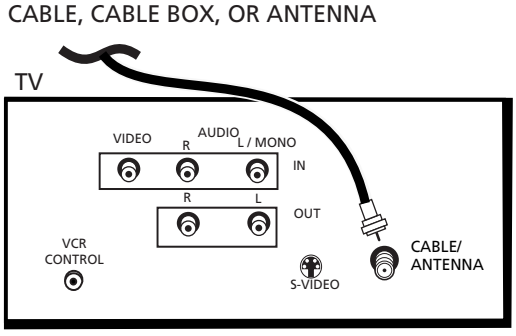
TV ONLY (PIP NOT AVAILABLE)

This is a basic connection from an antenna or cable system to your TV. Connect the cable into the Cable/Antenna jack as shown.

Cables

You will use the following cable to make your connection:

Coaxial Cable: These cables carry audio and video signals to the TV from an antenna, cable, or cable box.



Once you have completed this connection you may skip to Step 3.

Important Stand Information

CAUTION: Choose the location for your TV carefully. Take precautions that the stand or other furniture on which the TV is placed is properly located (see Important Safeguards sheet) and of adequate size and strength to prevent the TV from accidentally being tipped over, pushed off, or pulled off. This could cause damage to the TV and/or personal injury.

Before You Connect

Protect against power surges:

- **Connect all components before plugging any power cords into the wall outlet.**
- **Turn off the TV and/or component before connecting or disconnecting any cables.**
- **Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your TV.**

This Connection Will Not Allow You to Use Your PIP

Your TV is equipped with a single tuner, which means you must connect with a second video source using Audio/Video Cables to view PIP. This TV Only connection will not enable you to use your PIP, but will get your TV up and running quickly.

Refer to *Advanced Connections* for connecting Audio/Video cables to your VCR or other video component.

SETUP AND CONNECTIONS

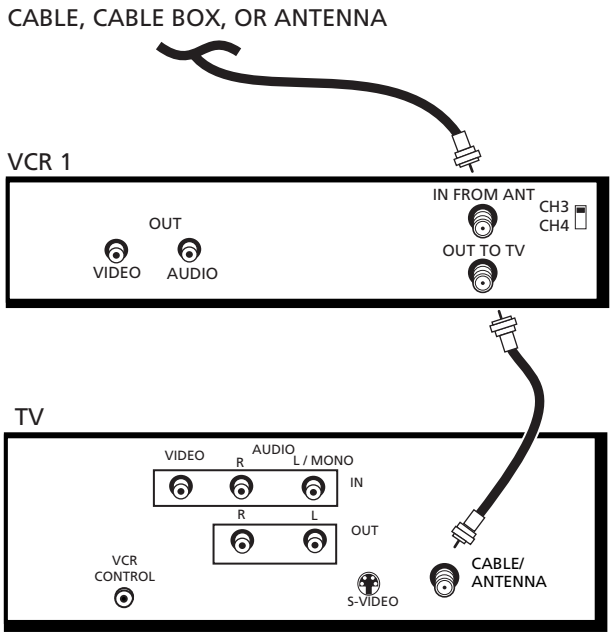
THE BASIC CONNECTION (PIP NOT AVAILABLE)

The basic connection below (TV and VCR) is the most common connection and is therefore used to illustrate a single component connection with your TV. For better sound and picture quality and multiple component connection information refer to the next section, *Advanced Connections*.

Cables

You will use the following type of cable to make your connection:

Coaxial Cables: In this connection, two Coaial Cables are used: one connects from an antenna, cable, or cable box to the VCR, and one connects from the VCR to the TV. These cables carry both audio and video signals.



This Connection Will Not Allow You to Use PIP

Your TV is equipped with a single tuner, which means you must connect with a second video source using Audio/Video Cables to view PIP. This Basic Connection will not enable you to use your PIP, but will get your TV up and running quickly.

Refer to *Advanced Connections* for connecting Audio/Video cables to your VCR or other video component.

How to View the VCR

To watch the VCR in this connection tune TV to Channel 3 or 4.

Later, in the *Interactive Setup* section you will program the TV to automatically tune to Channel 3 or 4 when you turn on the VCR.

Once you have completed this connection you may skip to Step 3.

SETUP AND CONNECTIONS

ADVANCED CONNECTIONS

Advanced connections give you better sound and video by separating the audio and video signals and enabling you to connect multiple components.

This section describes the types of inputs available on the back of your TV and suggests ways you can use them for optimum performance.

Once you have made your connections you will need to program the TV to tune to the correct Video INPUT channel in order to see and hear audio and video from the component. You will program this later in the *Interactive Setup.*

Back of the TV

The diagram below describes each of the back panel jacks. When connecting A/V cables, be sure to connect corresponding OUT and IN jacks (Video to Video, Right Audio to Right Audio, etc.).

VIDEO and Audio Inputs

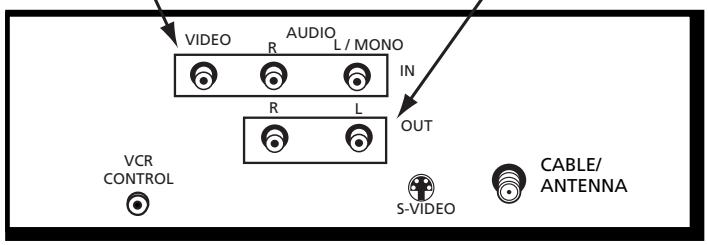
Connect any one of the following components:

- VCR
- Laserdisc Player
- Satellite Receiver
- Internet Access Device
- DVD Player

To view the component connected to VIDEO, use the INPUT button on the remote.

Audio Outputs

Connect to an audio receiver or amplifier for variable controlled or fixed level stereo output.



The **VCR Control** jack is for a feature not available in your market at the time of this printing. The circuitry that would allow this feature to work has been disabled in your TV.

S-Video

This optional connection can be used for better video quality picture.

Cable/Antenna

Takes the signal input from a cable, cable box, or an off-air antenna. Can also be used for basic component connections.

SETUP AND CONNECTIONS

Sample Connections

The following are sample connection scenarios you may encounter when connecting components to your TV. Note: those components which offer an S-Video connection, such as DVD, VCR or satellite receivers, must match their S-Video connection with their audio IN connection.

Cables

You will use the following types of cables to make your connection:

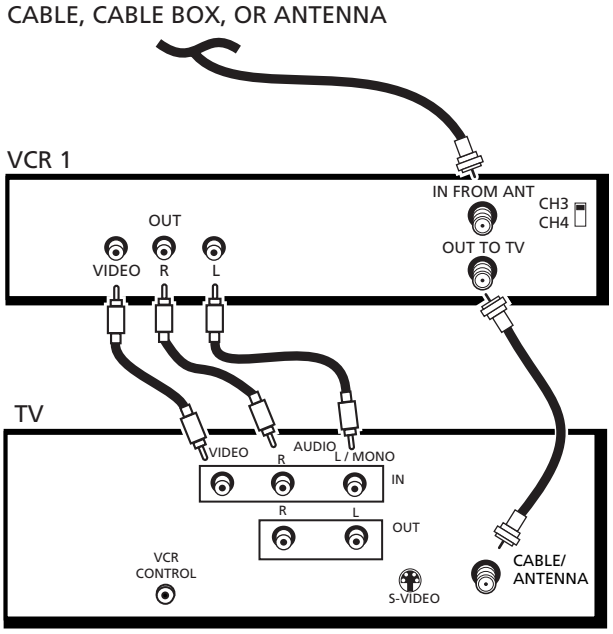
Coaxial Cables: Carries the signal from the antenna or cable directly to the television or through a cable box, as needed by your cable system.

Audio/Video Cables: Carries audio and video from a component to the TV.

S-Video Cable: Carries video from an S-Video capable component which provides best picture quality.

TV and Stereo VCR

Compared to the Basic Connection, using Audio/Video and S-Video (if available) cables will enhance the sound and picture quality from a component.



Cautions:

Position cables to Avoid Audio Hum or Interference

- **Insert all cables firmly into jacks.**
- **Place the audio/video cables to the sides of the TV's back panel instead of straight down the middle.**
- **Try not to coil any twin-lead cables and keep them away from the audio/video cables.**

Protect your components from Overheating

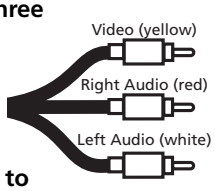
- **Do not block ventilation holes in any of the components. Arrange the components so that air can circulate freely.**
- **Do not stack components.**
- **Allow adequate ventilation when placing your components in a stand.**
- **Place your amplifier on the top shelf of the stand so heated air rising from it will not flow around other components.**

How to View Your VCR

To watch the VCR in this connection, press TV to put the remote control into TV mode, then press INPUT to toggle to the video (VID) inputs.

In the *Interactive Setup* section you can program the TV to automatically tune to the VID input channel when you turn on the VCR.

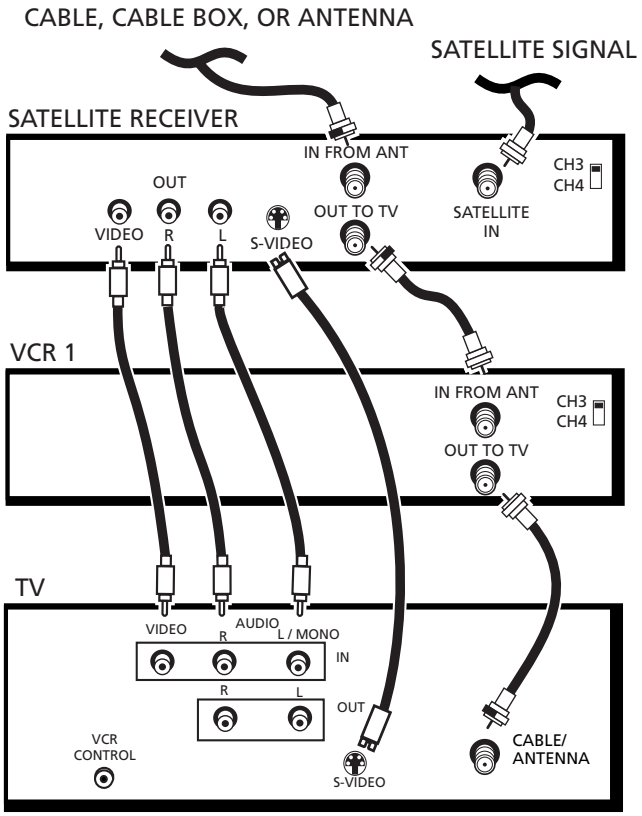
Most Audio/Video cables are combined into one cable with three heads on each end.



We show individual cables in these sample connections. Either may be used, but you must be sure to connect Video to Video, Right to Right and Left to Left.

SETUP AND CONNECTIONS

TV, VCR and Satellite Receiver



How to View Your Components

To watch the satellite receiver in this connection, press TV to put the remote control into TV mode, then press INPUT to scroll through the video input channels until you tune to VID (or S-VID) input.

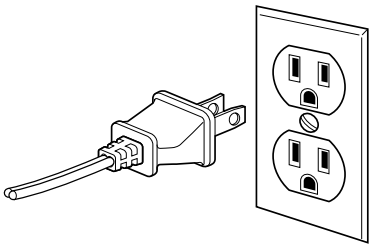
To watch the VCR in this connection, enter 03 to tune to the VCR channel.

In the *Interactive Setup* you can program the TV to automatically tune to the correct input channel when you turn on your component.

SETUP AND CONNECTIONS

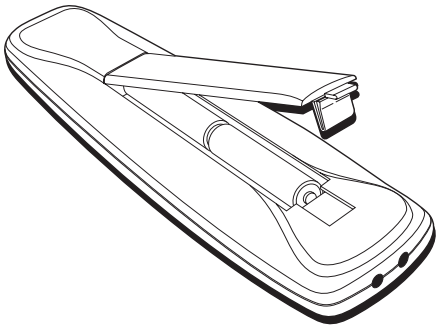
STEP 3: PLUG IN THE TV

Plug the end into the wall outlet, matching the wide blade of the plug with the wide slot in the outlet. Be sure to insert the plug completely.



STEP 4: PLACE BATTERIES IN REMOTE

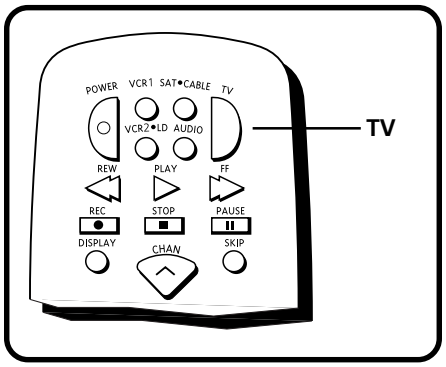
- Remove the battery compartment cover from the back of the remote.
- Insert fresh batteries. Make sure that the polarities (+ and -) are aligned correctly.
- Replace the cover.



STEP 5: TURN ON THE TV

Press TV on the remote, or press POWER on the TV itself.

Pressing the TV button not only turns on the TV, but puts the remote into TV mode, so that the buttons on the remote will control TV functions.



STEP 6: PROGRAM THE TV

Proceed to the next section, *Interactive Setup*. The interactive setup routine walks you through the steps needed to fully configure the TV. The first steps ask you to select your preferred language for the menu system and to begin the auto channel search, which puts available cable TV or antenna signals into the TV's memory.

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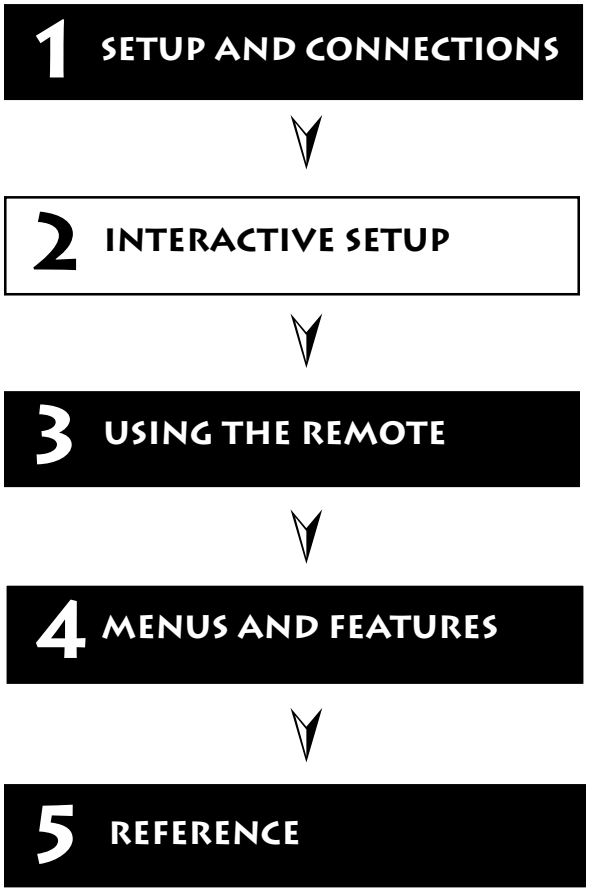
INTERACTIVE SETUP

THERE'S AN ON-SCREEN SETUP ROUTINE

The interactive setup routine helps you through the steps needed to configure the TV:

- Select a menu language
- Search for available channels
- Set the time
- Set the VCR1 channel
- Set the VCR2 channel
- Set the SAT/CABLE channel
- Make the channel list and labels



INTERACTIVE SETUP

USING POINT AND SELECT NAVIGATION

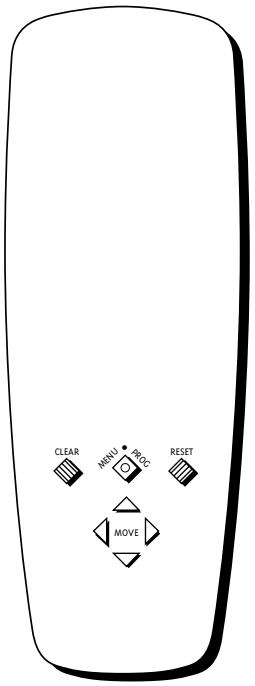
You only need to know one rule when using the remote to access on-screen menus and control panels: point and select. The point and select method has two steps.

1. **Point** to a menu item using the MOVE arrows on the remote.

   To point up or down, press the up or down arrows. To point left or right, press the left or right arrows.

2. **Select** a menu item by pressing MENU•PROG.

   Selecting an item tells the TV's menu system to go ahead and make the change or go to a place you have indicated.

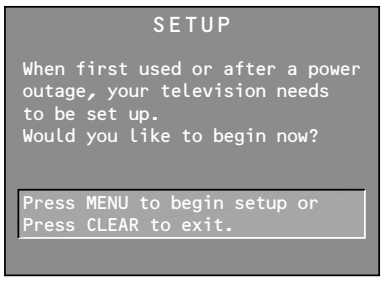


Point and Select buttons

ENTERING SETUP

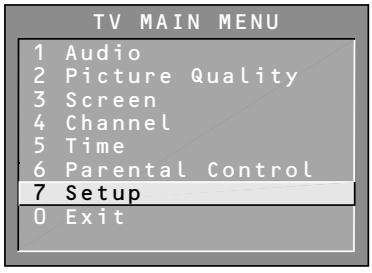
The first screen of the Interactive Setup appears automatically when you turn on your TV for the first time or after a power outage.

1. Press MENU•PROG to begin setup or CLEAR to exit.


SETUP
When first used or after a power outage, your television needs to be set up.
Would you like to begin now?
Press MENU to begin setup or
Press CLEAR to exit.

You can also access the Interactive Setup through the Main menu:

1. Press MENU•PROG to bring up the Main menu.



2. Point to *Setup* and press MENU•PROG. The first Setup screen comes up, asking you to confirm that you want to begin.

You can also select a menu item by entering the item number with the number buttons on the remote.

Press CLEAR at any time to remove all displays from the screen and return to TV viewing.

Many VCR user manuals refer to a PROGRAM button. The MENU•PROG button on this remote works as a PROGRAM button in VCR mode for RCA, GE and PROSCAN VCRs.

INTERACTIVE SETUP

3. Point to *Begin setup now* and press MENU•PROG.

SELECTING A LANGUAGE

The first part of the setup routine asks you to select your preferred language for the menu system.

1. Point to your preferred language for the menu system.
2. Press MENU•PROG to select that language.

AUTO CHANNEL SEARCH

The next part of the setup routine asks you if you want the TV to search for all channels viewable through your antenna or cable TV system. This is sometimes called "auto programming."

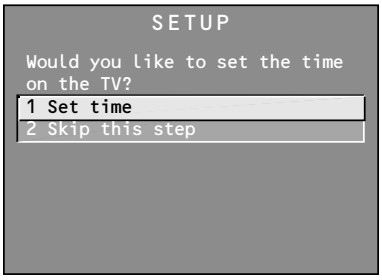
1. Press MENU•PROG to tell the TV to begin searching for channels. The display gives you a progress report and tells you when it has finished.
2. Press MENU•PROG to continue.

If you skip Auto Channel Search now, you can access it later through the Channel menu. See *Menus and Features* for more details.

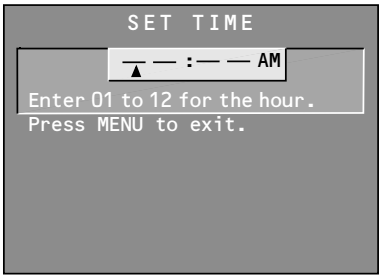
INTERACTIVE SETUP

SETTING THE TIME

The next step in the Interactive Setup lets you set the time of day.



1. Press MENU•PROG to bring up the Set Time control panel.

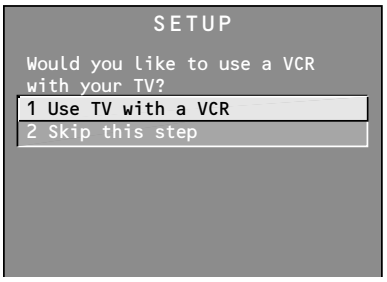


2. Use the left and right arrows to point to the hour and minutes spaces. Use the digits to enter the numbers and the up and down arrows to change from AM to PM.
3. Press MENU•PROG to continue.

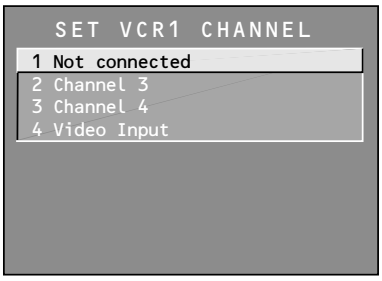
SETTING THE VCR1 CHANNEL (AUTO TUNING)

The next step lets you set the VCR1 channel. When you set the VCR1 channel, you're telling the TV what channel to tune to when you press the VCR1 button on the remote. This is called auto tuning.

Indicate which input you used to connect the VCR. If you don't have a VCR1 component connected to the TV, skip this step or select *Not Connected* from the VCR1 Channel choice list. (For more, see Auto Tuning in the *Menus and Features* section.)



1. Press MENU•PROG to bring up the VCR1 choice list.

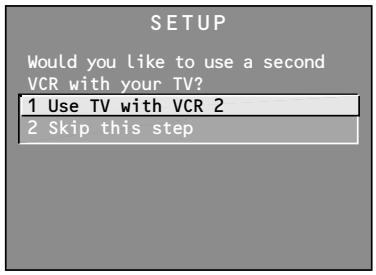


2. Point to the choice that matches the way you have your VCR connected to the TV.
3. Press MENU•PROG to continue.

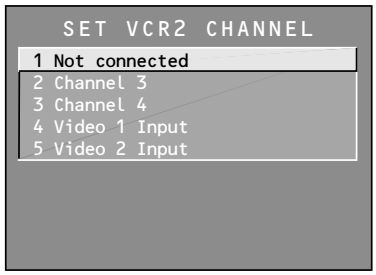
SETTING THE VCR2 CHANNEL (AUTO TUNING)

The next step lets you set the VCR2 channel. When you set the VCR2 channel, you're telling the TV what channel to tune to when you press the VCR2•LD button on the remote.

Indicate which input you used to connect a second VCR, DVD player or Laserdisc player. If you don't have a second VCR, DVD player or Laserdisc player connected to the TV, skip this step or select *Not Connected* from the VCR2 Channel choice list. (For more, see Auto Tuning in the *Menus and Features* section.)



1. Press MENU•PROG to bring up the VCR2 choice list.

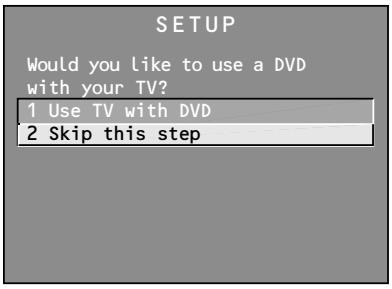


2. Point to the choice that matches the way you have your second VCR, Laserdisc player or DVD player connected to the TV.
3. Press MENU•PROG to continue.

INTERACTIVE SETUP

SETTING THE DVD CHANNEL (AUTO TUNING)

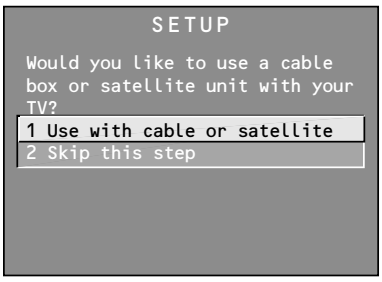
The remote control that came packed with your TV does not have a button corresponding to this feature. This feature does, however, function with other types of universal remote controls. If you are setting up your TV for the first time, go ahead and skip this step. (For more, see Auto Tuning in the *Menus and Features* section.)



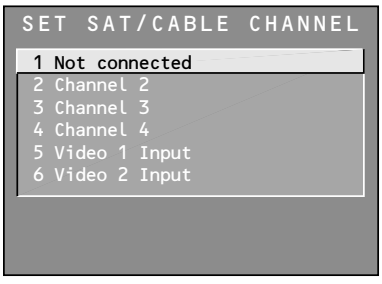
SETTING THE SAT/CABLE CHANNEL (AUTO TUNING)

The next step lets you set the SAT/CABLE channel. When you set the SAT/CABLE channel, you're telling the TV what channel to tune to when you press the SAT•CABLE button on the remote.

Indicate which input you used to connect a satellite receiver or a cable box. If you don't have a satellite receiver or cable box connected to the TV, skip this step or select *Not Connected* from the SAT/CABLE Channel choice list. (For more, see Auto Tuning in the *Menus and Features* section.)



1. Press MENU•PROG to bring up the SAT/CABLE choice list.

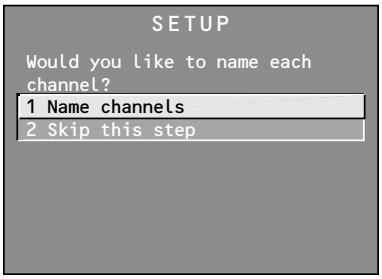


2. Point to the choice that matches the way you have your satellite receiver or cable box connected to the TV, and press MENU•PROG to continue.

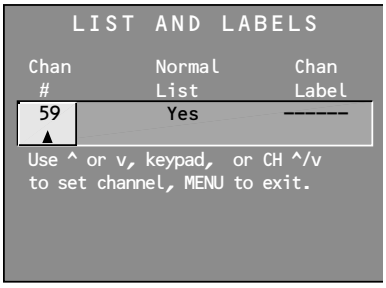
INTERACTIVE SETUP

LABELING THE CHANNELS

This last step in the Interactive Setup lets you edit your channel list and label your channels. (For more, see List and Labels in the *Menus and Features* section.)



1. Press MENU•PROG to bring up the List and Labels control panel.



2. Use the left and right arrows to point to the three different areas of the control panel (called "fields").
3. Use the up and down arrows to scroll through the numbers and letters and select *Yes* or *No* in the Normal List field. You may wish to refer to the call letters listed in your newspaper's TV section for ideas on labeling the channels.
4. Repeat this process for each of your channels. Then press MENU•PROG to continue. The TV can store up to 27 labels in memory.

Use the CHAN∧ (channel up) or CHAN∨ (channel down) buttons to change channels in the Chan # field. This works even if you're not in the Chan # field. Or, enter the channel number directly using the number buttons on the universal remote. To enter a number greater than 99, press and hold "1" to enter the hundreds digit, then press the two remaining numbers.

The list and labels feature can also be accessed from the Channel menu. Because this procedure can be time consuming, feel free to skip this step and come back to it later.

WHAT NOW?

Now that you've finished the interactive setup, you can sit back, relax, and enjoy the TV. Or...

PROGRAMMING THE REMOTE

Since you've gone this far, you can take a few minutes to program the remote to control your VCR, laserdisc player, satellite receiver, or other components. To find out how to program the remote, go to the next section.

USING THE REMOTE

HOW TO USE YOUR UNIVERSAL REMOTE

This section defines the buttons of the remote and how to program it to control other components.

The universal remote can be programmed to control most brands of remote controllable VCRs, satellite receivers, and cable boxes. If you have an RCA, GE, or PROSCAN component, you probably don't need to program it at all.

1 SETUP AND CONNECTIONS

2 INTERACTIVE SETUP

3 USING THE REMOTE

4 MENUS AND FEATURES

5 REFERENCE

Modes of Operation

Because this universal remote can control several different components (Laserdisc player, VCR, Cable Box, etc.), it uses operational modes triggered by the component buttons. For example if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

USING THE REMOTE

REMOTE BUTTONS

POWER When in TV mode, turns TV on and off. In VCR or SAT•CABLE mode, and if programmed, turns on and off most VCRs or Satellite Receivers/Cable Boxes.

VCR1 Puts the remote in VCR mode and if autotuning is enabled, it will turn on the TV and tune to the correct channel.

VCR2•LD Puts the remote in VCR2 mode and if autotuning is enabled, it will turn on the TV and tune to the correct channel. VCR2•LD can only be programmed for one component: either a VCR or Laserdisc player.

SAT•CABLE Puts the remote in SAT•CABLE mode and if autotuning is enabled, it will turn on the TV and tune to the correct channel.

AUDIO Puts the remote in Audio mode.

TV Turns on the TV and puts the remote in TV mode. Also displays channel information.

REW, PLAY, FF, REC, STOP, PAUSE If programmed, provides transport control for some remote-controllable VCRs, laserdisc players, tape decks, and CD players.

DISPLAY Brings up channel information. Also clears menus from the screen.

SKIP Press once before changing channels and the TV will wait 30 seconds before returning you to the original channel. Press repeatedly to add more time (each press adds another 30 seconds).

CHAN∧ or CHAN∨ Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.

VOL< or VOL> Decreases or increases the TV's volume.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume.

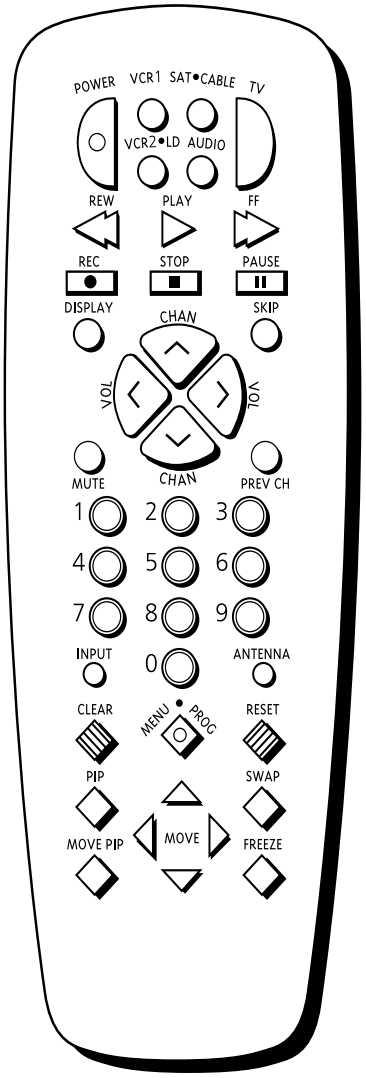
PREV CH Returns you to the previous channel.

(0-9) Number Buttons Enters channel numbers and time settings directly though the remote control. To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit, then add the second two. Example: to tune to channel 123, press and hold 1, press 2, then press 3.

INPUT In TV mode, press to toggle through the available input sources (VID/SVID and the current channel). In SAT mode, press to select available channel lists.

ANTENNA Functions as TV/VCR button in VCR mode and TV/receiver button in SAT•CABLE mode.

CLEAR Removes any menu or display from the screen and returns you to TV viewing. For RCA, GE and PROSCAN VCRs, this button also clears items from the VCR clock and timer programs.



USING THE REMOTE

MENU•PROG Brings up the Main menu and selects highlighted items. When in VCR mode, it functions as a PROGRAM button for RCA, GE and PROSCAN VCRs.

RESET Resets picture quality controls to the *Bright Lighting* Picture Control Preset. Point and select to choose a different Picture Control Preset. Also used to reset the settings in a menu.

MOVE (Arrows) Used to point to different items in the menu system. Also used to adjust the menu controls. Outside of the menu system, the MOVE buttons can also be used to adjust the position of the PIP window on the screen.

PIP Brings up the small picture-in-picture window. Press again to remove the PIP window. When *PIP Caption Display - Alternate with PIP* has been selected, will display captioning in the PIP window.

SWAP Swaps the main picture with the PIP window.

MOVE PIP and FREEZE These buttons are for an earlier model of your TV. The MOVE PIP function has been replaced by the MOVE arrows. The FREEZE button is not functional for the MR27555, MR29315, MR32555 & MR32575.

USING THE INPUT BUTTON

Use the INPUT button to toggle through the available input sources (VID/SVID and the current channel) and view the component you have connected to the TV.

1. Press TV to place the remote in TV mode. Make sure that the component you want to view is turned ON.
2. Press INPUT to tune to the available input source and view the component.
3. Press INPUT again to tune back to the channel you were previously watching.

Modes of Operation

Because this universal remote can control several different components (Laserdisc player, VCR, Cable Box, etc.) it uses operational modes triggered by the component buttons. For example if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

PROGRAMMING THE REMOTE

The universal remote can be programmed to control most brands of remote controllable VCRs, satellite receivers and cable boxes. The remote is already programmed to control most RCA, GE and PROSCAN TVs, VCRs, Laserdisc players and Satellite Receivers.

TESTING THE REMOTE

To determine whether the universal remote needs to be programmed, turn a device on, such as a VCR, point the remote at the VCR, and press the VCR1 button. Then press POWER or CHAN∧ (channel up) or CHAN∨ (channel down) to see if the VCR responds to the remote commands. If not, the remote needs to be programmed.

Programming the Remote to Control a VCR, Laserdisc player, Satellite Receiver or Cable Box

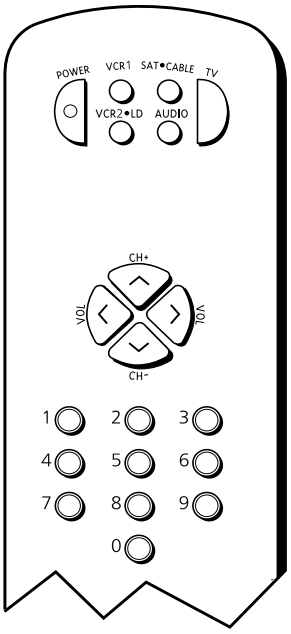
Follow these steps to program your universal remote to control a VCR, Laserdisc player, Satellite Receiver or Cable Box:

1. Turn on the component to be programmed.
2. Look up the brand and code number(s) for the component on the code list on the last page of this section, *Using the Remote*.
3. Press and hold the button on the remote you want to program.
4. Enter the code from the code list.
5. Release button, and then press POWER to see if the component responds to the remote commands. If it doesn't, try pressing the component button and then POWER again.
6. If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.

Programming the Remote to Control an RCA Audio Device:

Your remote controls only RCA audio equipment such as an audio receiver or amplifier—it does not control other brands of audio equipment. Also, the remote may need to be programmed for your equipment. This remote may not operate all of the components listed at the end of this section. Use the codes at the end of this section or on the sheet packed in with your remote.

1. Turn on the component to be programmed.
2. Look up your brand and its code number(s) on the code list.
3. Press and hold the AUDIO button.
4. Enter the code from the code list.
5. Release the AUDIO button and press POWER or CHAN∧ (channel up) or CHAN∨ (channel down) to see if the audio device responds to the remote codes.



You'll use these buttons when you program the remote to control any device.

The remote may not operate all models of all brands.

USING THE REMOTE

Using the Remote to Control a Device

Once the remote has been programmed successfully, you are ready to use it to control your devices.

To operate the device:

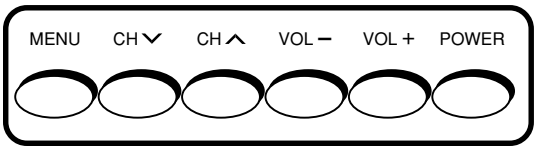
1. Press the device button (TV, VCR1, VCR2•LD, SAT•CABLE, or AUDIO) to set the remote to control the device.
2. Press POWER to turn the device on or off.
3. Use the remote buttons that apply to that device.

MODES OF OPERATION

Because this universal remote can control several different components (Laserdisc player, VCR, Cable Box, etc.) it uses operational modes triggered by the component buttons. For example if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

FRONT PANEL

If you cannot locate your remote you can use the front panel of your TV to operate many of the TV's features.



MENU Brings up the Main menu. When in the menu system, it selects highlighted items. Also returns you to the previous menu.

CH∨ Scans down through the current channel list. In the menu system, it points down to items and adjusts menu controls.

CH∧ Scans up through the channel list. In the menu system, it points up to items and adjusts menu controls.

VOL – Decreases the volume. When in the menu system, VOL – is used to point left to items and adjust menu controls.

VOL + Increases the volume. When in the menu system, VOL + is used to point right to items and adjust menu controls.

POWER Turns the TV on and off.

The front panel above shows a typical button layout. The exact look of the buttons may be different from those on the front of your TV.

The Front Panel Block feature disables all front panel buttons if Parental Controls are locked. For more information, see Parental Control, in the *Menus and Features* section.

USING THE REMOTE

VCR

Admiral 2131
Adventura 2026
Aiko 2027
Aiwa 2002, 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111,2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018,2019,2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes ..... 2000, 2002, 2009, 2013, ... 2016, 2018, 2021, 2022, 2024, 2115
Cybernex 2013
Daewoo 2015, 2017, 2019,2025, 2026, 2027, 2028, 2110
Daytron 2110
Dbx 2009, 2010
Dimensia 2000
Dynatech 2002, 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson ..... 2002, 2012,2014, ... 2015, 2021, 2024, 2025,2026,2029, 2030, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044, 2045, 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher . 2011, 2023, 2048, 2049, 2050, 2051, 2052,2118
Fuji 2021, 2119
Funai 2002, 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120
Goldstar 2009, 2014, 2018, 2054, 2121
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi2002, 2055, 2056, 2057, 2107, 2111, 2120, 2122
HI-Q 2023
Instant Replay 2021
JCL 2021
JC Penney ..... 2009, 2010, 2011, 2013, 2014, 2021, ... 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2058, 2111, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2058, 2111,2123
KLH 2061
Kodak 2014, 2021
Lloyd 2002, 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2108, 2124
Magnin 2013
Marantz ..... 2009, 2010, 2011, ... 2016, 2018, 2021, 2058, 2062,2064
Marta 2014
Masushita 2021
MEI 2021
Memorex ..... 2002, 2011, ... 2013, 2014, 2021, 2023, 2026, 2104, 2131
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi .. 2029, 2055, 2056, 2065, 2066, 2067, 2069, ... 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2131
Motorola 2021,2131
MTC 2002, 2013, 2026
Multitech 2002, 2013, 2016, 2026, 2053, 2061
NEC ..... 2009, 2010, 2011, 2016, 2018, ... 2058, 2064, 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2131
Optonica 2096
Orion 2035
Panasonic 2021, 2022, 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
PROSCAN 2000, 2001
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA ..... 2000, 2001, 2003, 2013, 2021, ... 2055, 2056, 2082, 2083, 2084,2085, 2086,2087, ... 2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125
Radioshack/Realistic ..... 2002, 2011, 2013, 2014 . 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2131
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2131, 2104
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott ... 2012, 2015, 2025, 2032, 2035, 2038, 2065, 2093, 2116
Sears ..... 2011, 2014, 2021, 2023, 2048, ... 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2002, 2017, 2029, 2094, 2095, 2096, 2131
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2002, 2131
Singer 2021, 2061, 2128
Sony 2002, 2004, 2098, 2099, 2119, 2128
STS 2021, 2107
Sylvania 2002, 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2002, 2026
Tandy 2002, 2011
Tashiko 2014
Tatung 2058, 2111
TEAC 2002, 2026, 2058, 2085, 2111
Technics 2021, 2109
Teknika 2002, 2014, 2021, 2026, 2100, 2129
TMK 2013, 2024, 2047
Toshiba 2015, 2049, 2051, 2055, 2065, 2093, 2116
ToteVision 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010, 2015, 2016, 2113
Videosonic 2013
Wards ..... , 2002, 2013, 2014, 2015, 2021, 2023, 2026, .. 2029, 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2131
XR-1000 ..... 2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2058, 2111
Zenith 2004, 2098, 2104, 2119, 2128

Cable Boxes

ABC 5002, 5003, 5004, 5005, 5006, 5007, 5053
Antronix 5008, 5009
Archer 5008, 5009, 5010, 5011
Cabletenna 5008
Cableview 5008
Century 5011
Citizen 5011
Colour Voice 5012, 5013
Comtronics 5014, 5015
Contec 5016
Eastern 5017
Garrard 5011
GC Electronics 5009
Gemini 5018, 5019, 5049
General Instrument 5003
Hamlin 5020, 5021, 5022, 5035, 5045
Hitachi 5003
Hytex 5002
Jasco 5011
Jerrold 5003, 5005, 5007,5018, 5023, 5024, 5046, 5053
Magnavox 5025
Memorex 5026
Movie Time 5002, 5027, 5028
NSC 5002, 5027, 5028
Oak 5002,5016, 5029
Panasonic 5048, 5052
Paragon 5026
Philips 5011, 5012, 5013, 5019, 5025, 5030, 5031, 5032
Pioneer 5033, 5034
Pulsar 5026
RCA 5047, 5049, 5052
Realistic 5009, 5049
Regal 5022, 5035
Regency 5017
Rembrandt 5003
Runco 5026
Samsung 5014, 5034
Scientific Atlanta 5006, 5036, 5037, 5038
Signal 5014, 5018
Signature 5003
SL Marx 5014
Sprucer 5052
Starcom 5007, 5018, 5053
Stargate 5014, 5018
Starquest 5018
Tandy 5040
Teleview 5014
Tocom 5004, 5023, 5041
Toshiba 5026
Tusa 5018
TV86 5027
Unika 5008, 5009, 5011
United Artists 5002
United Cable 5053
Universal 5008, 5009, 5010, 5011
Videoway 5044
Viewstar 5015, 5025, 5027, 5040
Zenith 5026, 5050, 5051

Satellite Receivers

Chapparal 5056, 5057
Drake 5058, 5059
GE 5000, 5001
General Instuments 5060, 5061, 5062
Panasonic 5075
Primestar 5076
PROSCAN 5000, 5001
RCA 5000, 5001
Realistic 5063
Sony 5072
STS1 5064
STS2 5065
STS3 5066
STS4 5067
Toshiba 5068, 5073
Uniden 5069

Audio

(For RCA and Dimensia brands only)

AM/FM 4003
Aux 4004
Phono 4005
CD 4007
Tape 4006

MENUS AND FEATURES

THE MENU SYSTEM AND ADDITIONAL FEATURES

This section explores the menus of your TV—beginning with some information on using menus and control panels.

Each menu is then outlined and special features are detailed to help you get the most from your TV. The last two pages of this section show you how to set up and use the Picture-In-Picture (PIP) feature of your TV.

1 SETUP AND CONNECTIONS

2 INTERACTIVE SETUP

3 USING THE REMOTE

4 MENUS AND FEATURES

5 REFERENCE

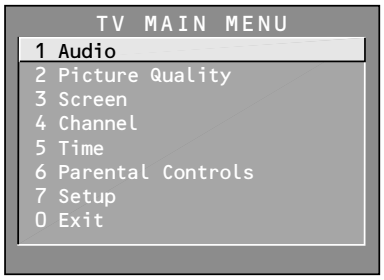
MENUS AND CONTROL PANELS

Using the buttons on both the remote and front panel enable you to access and make changes to the menus, control panels, and choice lists.

Menus and choice lists use the point and select rule to navigate, but control panels use a variety of methods to adjust features on your TV. The following pages detail how to use these controls to customize the functions of your TV.

MENUS

The first menu is called the Main menu. Press MENU•PROG on the remote or MENU on the front panel to bring up the Main menu:



Menus take you to another menu or a control panel. There are two ways to select a choice in a menu:

- Point with the arrows and then select with MENU•PROG.
- Press a number button on the remote. For example, in the Main menu press 3 to go straight to the *Screen* menu.

Exiting a menu

There are three ways to exit a menu:

- Point to *Exit* and press MENU•PROG.
- Press 0 on the remote.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to TV viewing.

Feel free to explore the menu system. If you're ever unsure where you are in the menu system, or you're just plain tired of exploring, press CLEAR to remove the menus from the screen and start over again.

CONTROL PANELS

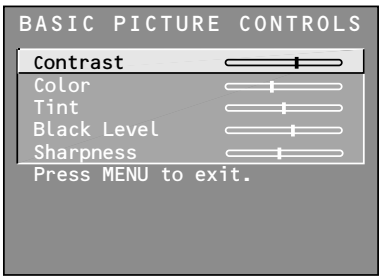
Control panels allow you to adjust the default settings on many features of your TV. You can choose a setting, enter a number, or adjust a level such as tint or brightness. There are three types of control panels: sliders, choice lists, and numeric entry.

Sliders

Sliders are used to make adjustments to a particular control.

To use a Slider in a menu:

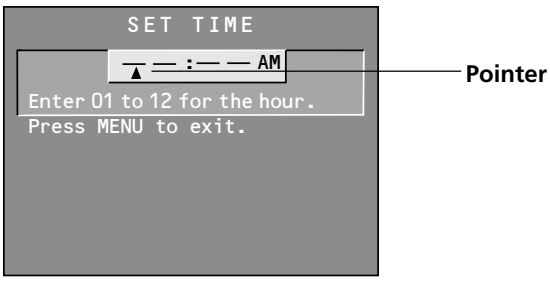
1. Press the up or down arrow to select the slider control for the feature you want to adjust.
2. Press the right or left arrow to adjust the indicator line on the slider.



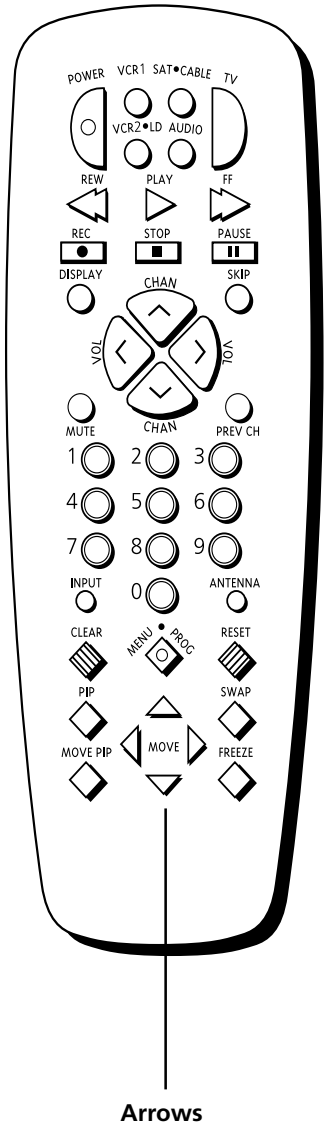
Numeric Entry

A numeric entry control panel is used to enter numbers or letters.

A pointer appears underneath the column you are changing.



1. Use the digits to enter a number in the column above the pointer.
2. Press the right arrow to move to the next column, then use the digits to enter a number.
3. When you have finished entering information, press MENU•PROG.



If the control panel is not set to the current time, use the arrows to go back over the columns and the digits to make changes.

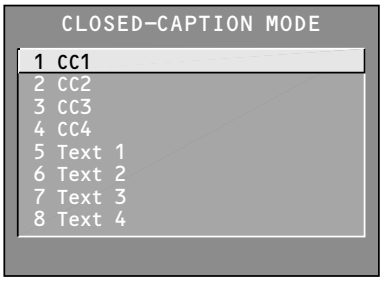
You can also enter numbers by using the up and down arrows on the remote.

MENUS AND FEATURES

CHOICE LISTS

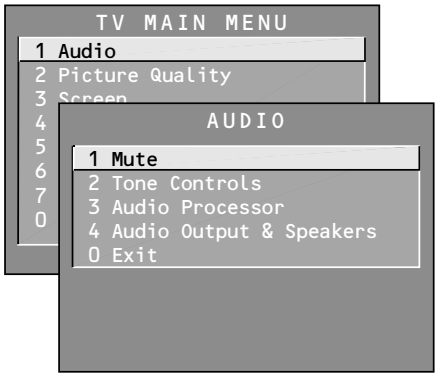
Choice lists are used to choose a particular setting from a list. When the choice list appears, the highlighted item is the one that is currently selected, or "in use."

Point to a choice on a menu and press MENU•PROG to select that choice. You will then return to the previous screen.



Now that you know how to access the menus and adjust the control panels the following pages provide a brief explanation of all the menu features. The features are organized in order of their location on the Main Menu.

AUDIO MENU



Mute Press MENU•PROG to reduce the TV's volume to its minimum level. Press MENU•PROG again to restore the volume.

Tone Controls Displays the slider controls for adjusting the TV's treble, bass and balance.

Audio Processor Displays a choice list of available audio modes, which control the way the sound comes through your speakers.

Mono Plays the sound in mono only. Use this setting when receiving broadcasts with weak stereo signals.

Stereo Splits the incoming stereo audio signal into left and right channels. Most TV programs and recorded materials have stereo audio. The TV displays the word STEREO when you tune to a program that is broadcast in stereo.

Expanded Stereo Electronically "widens" sound from stereo broadcasts, stereo VCRs, digital satellite systems, DVD players, and LaserDisc players for a fuller, more spacious sound.

Sound Logic Stereo Reduces the annoying blasts in volume during commercial breaks, and also amplifies softer sounds in program material. Eliminates the need to constantly adjust volume control.

Second Audio Program (SAP) Plays the program's audio in a second language, if one is available. The TV displays the word SAP when you tune to a program that is broadcast with SAP information. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

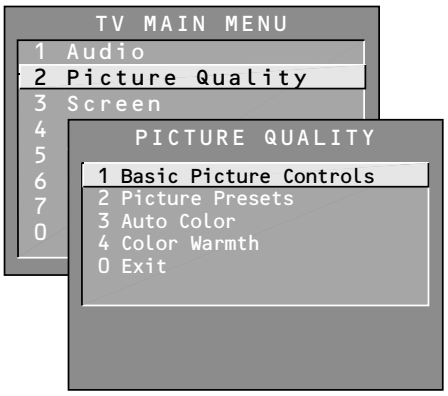
Audio Output & Speakers Displays a choice list that lets you turn the TV's internal speakers on or off and set the audio outputs to fixed-level or variable control level.

Variable Output, Speakers On This setting turns the TV's speakers on and allows variable output from the TV's audio output jacks.

Variable Output, Speakers Off This setting turns the TV's speakers off and allows variable output from the TV's audio output jacks.

Fixed Output, Speakers Off This setting turns the TV's speakers off and allows fixed output from the TV's audio output jacks to an external device such as a surround sound amplifier. With *Fixed Output* on, the TV's volume control, tone controls and mute are disabled.

PICTURE QUALITY MENU



Basic Picture Controls Displays the five slider controls for adjusting the way the picture looks.

Contrast Adjusts the difference between the light and dark areas of the picture.

Color Adjusts the richness of the color.

Tint Adjusts the balance between the red and green levels.

Black Level Adjusts the brightness of the picture.

Sharpness Adjusts the crispness of edges in the picture.

When exiting this menu, the *Save Personal Picture Preset* choice list will appear. You can choose either Yes or No. If you save the settings as a Personal Picture Preset, the TV will store the settings so you can reselect them easily if someone changes the settings.

Picture Presets Displays a choice list that lets you select one of three preset picture settings: *Bright Lighting*, *Normal Lighting*, *Soft Lighting or Personal Picture Preset*. Choose the setting that is best for your viewing environment.

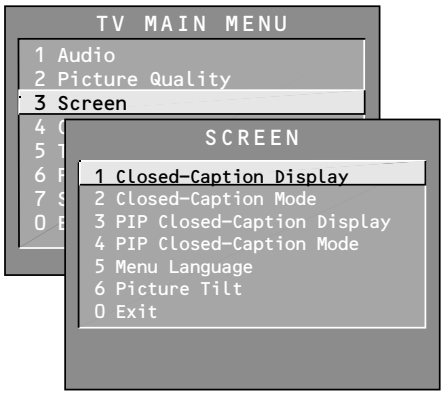
Auto Color Displays a choice list that lets you turn on the feature that automatically corrects the color of the picture. (This is especially useful for tracking realistic flesh tone colors as you switch from channel to channel.) Choose *On* or *Off*, depending on your preference.

Color Warmth Displays a choice list that lets you set one of three automatic color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors. The warm setting corresponds to the NTSC standard of 6500ºK.

Press the RESET button on the remote to bring up the Picture Control Presets choice list. Point to the desired setting; press MENU•SELECT to select it.

MENUS AND FEATURES

SCREEN MENU



Closed-Caption Display Displays a choice list that lets you choose the way closed captioning information is shown on the screen.

Off No captioning information is displayed.

On Captioning information is shown always, when available.

On When Sound is Muted Captioning information is shown, when available, whenever the TV's sound is muted. (To mute the sound, press the MUTE button.) The captioning information is not displayed when the sound is not muted.

Closed-Caption Mode Displays a choice list that lets you choose which captioning mode is used for displaying captioning information.

PIP Closed-Caption Display Displays a choice list that lets you choose the way closed captioning information is shown in the PIP window.

Off No captioning information is displayed.

On Captioning information is shown always, when available.

Alternate with PIP button Captioning information is shown, when available, when the PIP button is pressed and the PIP window is displayed.

PIP Closed-Caption Mode Displays a choice list that lets you choose which captioning mode is used for displaying captioning information within the PIP window.

Menu Language Displays a choice list that lets you select your preferred language for the menus: *English*, *Spanish* or *French.*

Picture Tilt (Not available on models MR27555 and MR29315) Your TV has an extra-large picture tube, which makes it vulnerable to the effects of the Earth's magnetic field. You may need to adjust the picture tilt. Use the left and right arrow buttons to adjust the picture tilt.

USING CLOSED CAPTIONING

Many programs are encoded with closed captioning information, which lets you display the audio portion of a program as text on the TV screen.

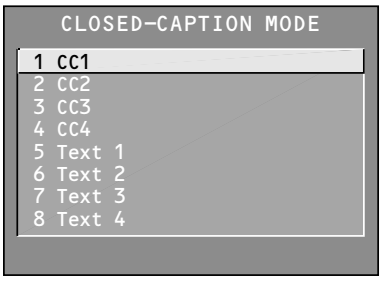
Closed captioning is not available on all channels at all times. Only specific programs encoded with closed captioning information are applicable. When a program is closed captioned, the letters CC are displayed in the channel marker. See the section on the Channel Marker later in *Menus and Features* for more information about the channel marker.

Closed Captioning Modes

The TV offers eight closed-captioned modes, including four text modes.

To set the Closed-Captioning Mode:

1. Select *Screen* from the Main menu.
2. Point to *Closed-Caption Mode* and press MENU•PROG. A choice list displays:



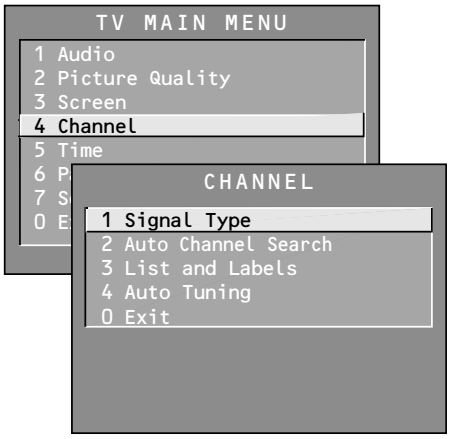
3. Point to your choice and press MENU•PROG to select it and return to the Screen menu.

Turning off Closed Captioning

1. Select *Screen* from the Main menu.
2. Press MENU•PROG to select *Closed-Caption Display.*
3. Point to *Off Always* and press MENU•PROG. The closed captioning is turned off and you are returned to the Screen menu.

If you are unsure of the differences among the modes, you may prefer to leave the closed captioned mode set to CC1, which displays complete text of the program in the primary language in your area.

CHANNEL MENU



Signal Type Displays a choice list that lets you select the current antenna type.

UHF/VHF Antenna Choose this if you are currently using an off-air antenna for TV signals.

Cable TV Choose this if you are currently using cable or a cable box for TV signals.

Auto Channel Search Tells the TV to search automatically for all the channels available through the antenna input. When the TV finds an active channel, it places it in the Normal channel list; inactive channels (weak stations or channels with no signal at all) will be removed from the channel list.

List and Labels Displays a control panel that lets you edit your Normal channel list and choose a six-character label for each channel. Follow the on-screen directions to enter your channels and other information.

Chan # Use the up and down arrows to scroll up and down through the channels available via your antenna. You can enter the channel number directly using the number buttons.

Normal List Only the channels included in the Normal list are available when you scan up and down using the CH∧/∨ buttons. Use the up and down arrows to indicate whether the channel number indicated is included (*Yes*) or is not included (*No*) in the Normal channel list.

Chan Label Use the up and down arrows to enter a six-character label for each channel. Hold the button down to scroll quickly through the characters. Press RESET to clear a label. **The TV can store up to 27 labels in memory.**

Auto Tuning Displays a choice list that lets you set up the TV to automatically tune to the correct input channel when you press a component button (VCR1, VCR2•LD or SAT•CABLE) on the remote.

Set VCR 1 Channel Displays a choice list that lets you select the channel that the TV tunes to when you press the VCR1 button.

Set VCR 2 Channel Displays a choice list that lets you select the channel that the TV tunes to when you press the VCR2•LD button.

Set DVD Channel The remote that comes packed with your TV does not have a button corresponding to this auto tuning feature. The DVD Channel can, however, be programmed for other types of universal remote controls with a separate DVD button (in which case you would choose the channel that the TV tunes to when you press that button).

Set SAT/CABLE Channel Displays a choice list that lets you select the channel that the TV tunes to when you press the SAT•CABLE button.

The choices for each screen are:

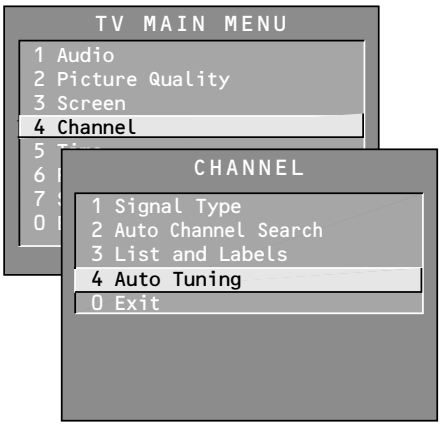
Not connected Choose this if you do not have a component connected to an antenna or video input on the back of the TV, or if you don't want the TV to tune to a channel when the particular component button is pressed.

Channel 2 (SAT/Cable only) Choose this if your component is connected to the antenna jack on the back of the TV, and you want the TV to tune to channel 2 when you press the specified component button. Reminder: Make sure the component's Ch 2/3/4 switch is set to channel 2.

Channel 3 Choose this if your component is connected to the antenna jack on the back of the TV, and you want the TV to tune to channel 3 when you press the specified component button. Reminder: Make sure the component's Ch 3/4 switch is set to channel 3.

Channel 4 Choose this if your component is connected to the antenna jack on the back of the TV, and you want the TV to tune to channel 4 when you press the specified component button. Reminder: Make sure the component's Ch 3/4 switch is set to channel 4.

Video Input Choose this if your component is connected to the VIDEO jack on the back of the TV and you want the TV to tune to VID (S-VID if you used an S-Video cable) input channel when you press the specified component button.

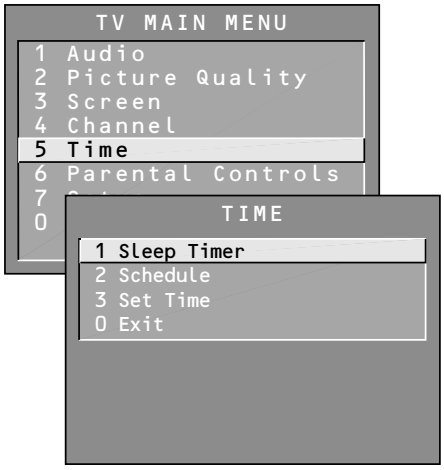


TIME MENU

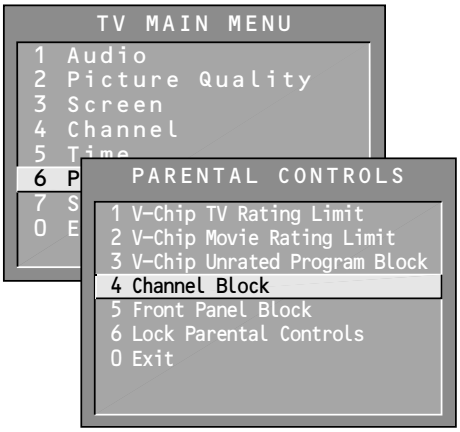
Sleep Timer Displays a control panel that lets you select the amount of time you want to give the TV before it shuts itself off.

Schedule Displays a control panel that lets you set up a schedule for turning the TV on and off automatically. **Make sure to turn the schedule on.** The on-screen directions guide you through the steps needed to set the schedule.

Set Time Displays a control panel that lets you enter the current time. The on-screen directions guide you through the steps needed to set the time.



PARENTAL CONTROLS MENU



The Parental Controls menu allows you to program your TV so that children cannot see certain programs, channels, or use the front panel controls.

The first three choices in the *Parental Controls* menu involve a chip inside your TV (called V-Chip). These three V-Chip functions will not work on your TV because the features depend upon special additions to the broadcast signal, not yet available in your market. Please disregard them. However, you can use the remaining features in the *Parental Controls* menu: Channel Block, Front Panel Block and Lock Parental Controls.

Channel Block

Selecting this option lets you decide what channels can be viewed.

View All channels are available.
Block The front panel CH (channel) buttons will tune only to channels that you have marked as *View*. The remote will still tune to the blocked channel if you use the digits to access the channel.

Don't forget to lock parental controls after you change the status of Channel Block. If you do not, the channel block will not take effect.

Front Panel Block

Selecting this option lets you block (disable) or unblock (enable) the TV's front panel. The remote still tunes to any channel. Front Panel Block can:

- Keep children from watching TV when the parent is not present.
- Keep small children from playing with the buttons.

(When using this as a Parental Control method, you should remove access to any remote capable of controlling the front panel while you have the Front Panel blocked.)

Don't forget to lock parental controls after you change the status of Channel Block. If you do not, the channel block will not take effect.

Lock/Unlock Parental Controls

Selecting this option lets you lock and unlock parental controls settings using a password.

If you do not lock parental controls, none of the settings for Channel Block or Front Panel Block will take effect.

If you forget your password, press and hold TV on the remote and the MENU button on the television simultaneously for 3 seconds. Parental controls will then unlock and you can re-enter a password via *Lock Parental Controls*.

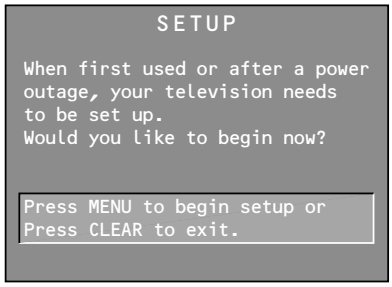
MENUS AND FEATURES

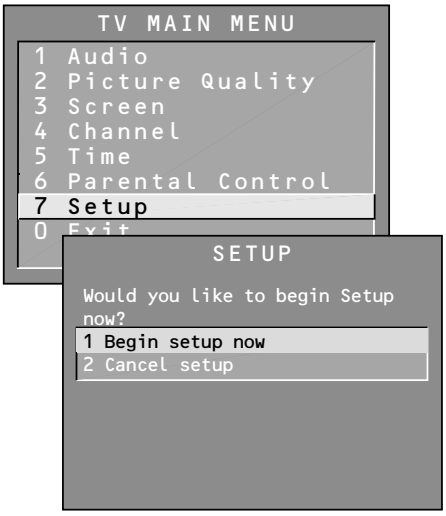
SETUP MENU

The setup routine is detailed earlier in the manual in the Interactive Setup section.

The first screen of the Interactive Setup appears automatically when you turn on your TV for the first time or after a power outage.

You can also access the Interactive Setup from the Main Menu.


SETUP
When first used or after a power outage, your television needs to be set up.
Would you like to begin now?
Press MENU to begin setup or
Press CLEAR to exit.



CHANNEL MARKER

There are several indicators that may come up when you press the TV or DISPLAY button. This display is called the Channel Marker.

12:01 Displays the current time.

CC Displayed when Closed Captioning is available on the current channel.

ESPN Displays the label assigned to the current channel.

60 Displays the current channel or input channel.

Mute (or Stereo) Mute is displayed when you mute the audio. Stereo is displayed when the current channel is broadcasting in Stereo.

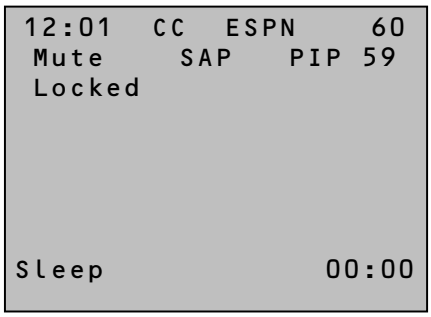
SAP Displayed when the current channel is broadcasting SAP (Second Audio Program) information.

PIP Chan Displays the current PIP channel.

Locked Displayed when the Parental Controls are locked.

Sleep Displayed when the Sleep Timer has been set.

00:00 Displayed to count down time left on the commercial skip (SKIP) timer.



Sample displays on a Channel Marker.

PIP (PICTURE-IN-PICTURE) OPERATION

The PIP (picture-in-picture) feature lets you display a second, smaller picture on top of the main picture.

Your TV is equipped with a single tuner that tunes to cable or off-air television signals. The PIP feature on your TV requires a second video source, like a VCR or satellite receiver to supply the second picture to the screen. The PIP feature also requires connecting the second video source to the TV with audio/video cables.

PIP Buttons

There are six remote buttons that control the way the PIP window works:

PIP Brings up the PIP window. Press PIP again to remove the window. When *PIP Caption Display – Alternate with PIP* has been selected, will display captioning in the PIP window.

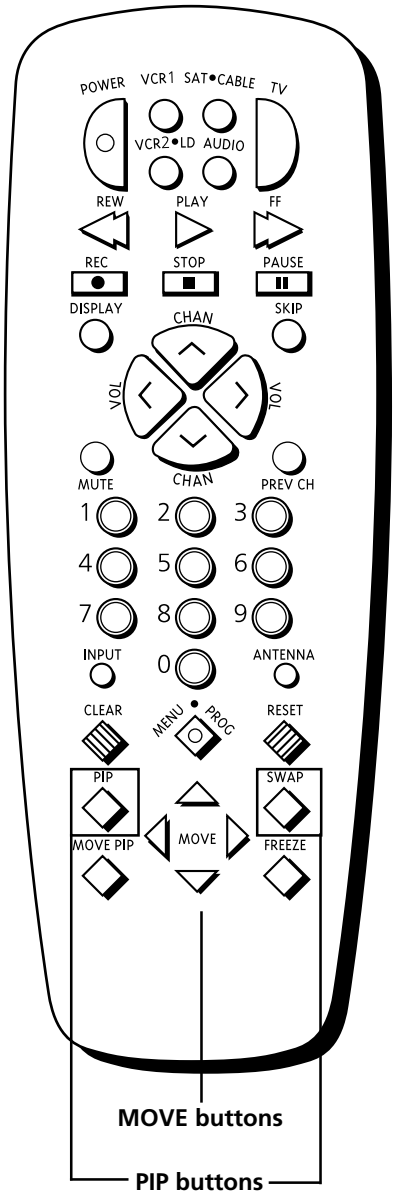
MOVE buttons Let you move the PIP window to different areas of the screen.

SWAP Switches, or "swaps," the video from the PIP window with the main picture.

Using the PIP Feature

While you may use PIP in different ways, this basic PIP scenario should get you started. While watching the TV, follow these steps to use your VCR to supply the picture for PIP.

1. Press the PIP button on the remote. The PIP window appears on the screen.
2. Turn on the VCR.
3. Press the TV button, then press INPUT until you see the VCR signal displayed in the PIP window. The PIP window should display the channel that you have the VCR tuned to.
4. To change the program in the PIP window, you need to change the channel on the VCR because that is the signal source for the PIP picture. Press the VCR button on the remote to get into VCR mode, then change channels.
5. Use the channel up and down buttons along with the SWAP button and MOVE arrows to adjust the two pictures.



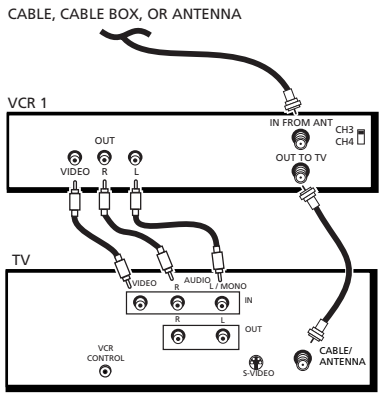
A typical use of SWAP is to scan through channels in the PIP window, and when you find a channel you like, press SWAP to display that channel in the main picture, sending the current channel to the PIP window.

You must change the mode between the TV and VCR after every SWAP.

PIP Problems?

- Make sure the remote is in the right mode. For example, once you turn on the VCR with the VCR1 button, you can't SWAP the pictures until you put the remote in TV mode. Just press the TV button.
- No signal or bad reception? Most VCRs and satellite receivers have an antenna or TV button. If your cable or off-air antenna goes into your VCR or satellite receiver, then into your TV, try pressing the antenna or TV button on the front of the component.

  Tip: If programmed to control your VCR, the ANTENNA button on the remote acts as a TV/VCR button.
- Check the connections. PIP requires a second video source, like a VCR or satellite receiver, connected to your TV with audio/video cables. If you use a cable box, you may need extra equipment. Contact your cable company for more information.



To see a different picture in the PIP window, you must connect another video source, like a VCR. This connection requires audio/video cables.

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TROUBLESHOOTING

Troubles sometimes are caused by simple "faults" that you can correct without the help of a service technician. If you experience any difficulty with your TV, check a few basic remedies before calling your service technician.

TV will not turn on

- Check to make sure it is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Maybe batteries in remote control are "dead."
- Maybe remote control is not aimed at remote sensor.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the Parental Controls menu and choosing *Unblocked*.

Controls don't work

- If using remote control, make sure remote is in TV mode by first pressing TV button.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.
- Try unplugging set for two minutes and then plug it back in and turn it on again.

Problems with remote

- Maybe something is between the remote and the remote sensor.
- Maybe the remote is not aimed directly at the component (TV or VCR) you are trying to control.
- Maybe remote is not in TV Mode. Press the TV button so remote will control TV.
- Maybe batteries in remote are weak, dead or installed incorrectly. Try replacing batteries. (Note, if you remove the batteries, you may have to reprogram the remote to control other components.)
- Remove batteries and hold number 1 for at least 60 seconds to drain the microprocessor inside the remote. Release number 1, replace the batteries, and (if necessary) reprogram the remote.

Turns off while playing

- *Scheduled Off* function may have been activated.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.

TV Turns on unexpectedly

- *Scheduled On* may have been activated.

Blank screen

- Maybe the component connected to the input jacks is not turned on.
- Try another channel.
- Press RESET, in case the picture controls are set too low.

No sound, picture okay

- Maybe sound is muted. Try pressing volume up button to restore sound.
- Maybe speakers are turned off. Check the *Audio Output and Speakers* control panel in the *Audio* menu.
- If using an S-Video component, remember to also connect the component's L and R AUDIO OUT jacks to the TV's L and R INPUT jacks.

Can't select certain channel

- Channel may be blocked or not approved in the *Parental Controls* menu.
- If using a VCR, check to make sure the TV/VCR button on the VCR is in the correct "mode."

Noisy stereo reception

- May be a weak station. Choose *Mono* instead of *Stereo* from the *Sound Mode* choice list in the *Audio* menu.

No picture, no sound but TV is on

- Maybe the cable/air setting is set to the wrong position. To fix, select *Setup* from the Main menu, select the *Signal Type* option, and provide the correct information on the following screen.
- Maybe a vacant channel is tuned.
- If watching VCR (connected only through antenna input), make sure TV is tuned to channel 3 or 4 – same as CH3/4 switch on VCR. Also check to make sure the TV/VCR button on the VCR is in the correct "mode."

Sound okay, picture poor

- Check antenna connections.
- Try adjusting sharpness function to improve weak signals.

Black Box appears on the screen

- Captioning may be turned on. Check the *Closed-Caption Display* control panel in the *Channel* menu.

CARE AND CLEANING

CAUTION: Turn OFF your TV before cleaning.

You can clean the TV as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water.

Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, avoid placing drinks or vases with water on top of the TV. This could increase the risk of fire or shock hazard or damage to the TV.

Caution: If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the screen. Such images include network logos, phone numbers, and video games. Extended viewing of channels displaying these images should be avoided.

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Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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